

## SEQUENCE LISTING

<110> KAYED, RAKEZ  
GLABE, CHARLES

<120> IMMUNOGENS AND CORRESPONDING ANTIBODIES SPECIFIC FOR  
HIGH MOLECULAR WEIGHT AGGREGATION INTERMEDIATES COMMON  
TO AMYLOIDS FORMED FROM PROTEINS OF DIFFERING SEQUENCE

<130> UCIVN-022US

<140> 10/527,678

<141> 2005-03-11

<150> PCT/US03/28829

<151> 2003-09-12

<150> 60/410,069

<151> 2002-09-12

<160> 10

<170> PatentIn Ver. 3.3

<210> 1

<211> 40

<212> PRT

<213> Homo sapiens

<400> 1

Asp	Ala	Glu	Phe	Arg	His	Asp	Ser	Gly	Tyr	Glu	Val	His	His	Gln	Lys
1				5				10						15	

Leu	Val	Phe	Phe	Ala	Glu	Asp	Val	Gly	Ser	Asn	Lys	Gly	Ala	Ile	Ile
			20					25					30		

Gly	Leu	Met	Val	Gly	Gly	Val	Val
		35				40	

<210> 2

<211> 42

<212> PRT

<213> Homo sapiens

<400> 2

Asp	Ala	Glu	Phe	Arg	His	Asp	Ser	Gly	Tyr	Glu	Val	His	His	Gln	Lys
1				5				10						15	

Leu	Val	Phe	Phe	Ala	Glu	Asp	Val	Gly	Ser	Asn	Lys	Gly	Ala	Ile	Ile
			20					25					30		

Gly	Leu	Met	Val	Gly	Gly	Val	Val	Ile	Ala
		35				40			

<210> 3  
 <211> 37  
 <212> PRT  
 <213> Homo sapiens

<400> 3  
 Lys Cys Asn Thr Ala Thr Cys Ala Thr Gln Arg Leu Ala Asn Phe Leu  
   1                  5                  10                  15  
 Val His Ser Ser Asn Asn Phe Gly Ala Ile Leu Ser Ser Thr Asn Val  
                   20                  25                  30  
 Gly Ser Asn Thr Tyr  
                   35

<210> 4  
 <211> 21  
 <212> PRT  
 <213> Homo sapiens

<400> 4  
 Lys Thr Asn Met Lys His Met Ala Gly Ala Ala Ala Ala Gly Ala Val  
   1                  5                  10                  15  
 Val Gly Gly Leu Gly  
                   20

<210> 5  
 <211> 44  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: Synthetic  
           peptide

<400> 5  
 Lys Lys Gln Gln Gln Gln Gln Gln Gln Gln Gln Gln Gln Gln Gln  
   1                  5                  10                  15  
 Gln Gln Gln Gln Gln Gln Gln Gln Gln Gln Gln Gln Gln Gln Gln  
                   20                  25                  30  
 Gln Gln Gln Gln Gln Gln Gln Gln Gln Lys Lys  
                   35                  40

<210> 6  
 <211> 147  
 <212> PRT  
 <213> Homo sapiens

<400> 6  
 Met Lys Ala Leu Ile Val Leu Gly Leu Val Leu Leu Ser Val Thr Val  
   1                  5                  10                  15

Gln Gly Lys Val Phe Glu Arg Cys Glu Leu Ala Arg Thr Leu Lys Arg  
                     20                    25                    30  
 Leu Gly Met Asp Gly Tyr Arg Gly Ser Leu Ala Asn Trp Met Cys Leu  
                     35                    40                    45  
 Ala Lys Trp Glu Ser Gly Tyr Asn Thr Arg Ala Thr Asn Tyr Asn Ala  
                     50                    55                    60  
 Gly Asp Arg Ser Thr Asp Tyr Gly Ile Phe Gln Ile Asn Ser Arg Tyr  
                     65                    70                    75                    80  
 Trp Cys Asn Asp Gly Lys Thr Pro Gly Ala Val Asn Ala Cys His Leu  
                     85                    90                    95  
 Ser Cys Ser Ala Leu Leu Gln Asp Asn Ile Ala Asp Ala Val Ala Cys  
                     100                    105                    110  
 Ala Lys Arg Val Val Arg Asp Pro Gln Gly Ile Arg Ala Trp Val Ala  
                     115                    120                    125  
 Trp Arg Asn Arg Cys Gln Asn Arg Asp Val Arg Gln Tyr Val Gln Gly  
                     130                    135                    140  
 Cys Gly Val  
 145

<210> 7  
 <211> 110  
 <212> PRT  
 <213> Homo sapiens

<400> 7  
 Met Ala Leu Trp Met Arg Leu Leu Pro Leu Leu Ala Leu Leu Ala Leu  
                     1                    5                    10                    15  
 Trp Gly Pro Asp Pro Ala Ala Ala Phe Val Asn Gln His Leu Cys Gly  
                     20                    25                    30  
 Ser His Leu Val Glu Ala Leu Tyr Leu Val Cys Gly Glu Arg Gly Phe  
                     35                    40                    45  
 Phe Tyr Thr Pro Lys Thr Arg Arg Glu Ala Glu Asp Leu Gln Val Gly  
                     50                    55                    60  
 Gln Val Glu Leu Gly Gly Gly Pro Gly Ala Gly Ser Leu Gln Pro Leu  
                     65                    70                    75                    80  
 Ala Leu Glu Gly Ser Leu Gln Lys Arg Gly Ile Val Glu Gln Cys Cys  
                     85                    90                    95  
 Thr Ser Ile Cys Ser Leu Tyr Gln Leu Glu Asn Tyr Cys Asn  
                     100                    105                    110

<210> 8  
 <211> 147  
 <212> PRT  
 <213> Homo sapiens

<400> 8  
 Met Ala Ser His Arg Leu Leu Leu Leu Cys Leu Ala Gly Leu Val Phe  
   1                  5                  10                  15  
 Val Ser Glu Ala Gly Pro Thr Gly Thr Gly Glu Ser Lys Cys Pro Leu  
                   20                  25                  30  
 Met Val Lys Val Leu Asp Ala Val Arg Gly Ser Pro Ala Ile Asn Val  
           35                  40                  45  
 Ala Val His Val Phe Arg Lys Ala Ala Asp Asp Thr Trp Glu Pro Phe  
   50                  55                  60  
 Ala Ser Gly Lys Thr Ser Glu Ser Gly Glu Leu His Gly Leu Thr Thr  
   65                  70                  75                  80  
 Glu Glu Glu Phe Val Glu Gly Ile Tyr Lys Val Glu Ile Asp Thr Lys  
                   85                  90                  95  
 Ser Tyr Trp Lys Ala Leu Gly Ile Ser Pro Phe His Glu His Ala Glu  
           100                  105                  110  
 Val Val Phe Thr Ala Asn Asp Ser Gly Pro Arg Arg Tyr Thr Ile Ala  
   115                  120                  125  
 Ala Leu Leu Ser Pro Tyr Ser Tyr Ser Thr Thr Ala Val Val Thr Asn  
   130                  135                  140  
 Pro Lys Glu  
 145

<210> 9  
 <211> 140  
 <212> PRT  
 <213> Homo sapiens

<400> 9  
 Met Asp Val Phe Met Lys Gly Leu Ser Lys Ala Lys Glu Gly Val Val  
   1                  5                  10                  15  
 Ala Ala Ala Glu Lys Thr Lys Gln Gly Val Ala Glu Ala Ala Gly Lys  
           20                  25                  30  
 Thr Lys Glu Gly Val Leu Tyr Val Gly Ser Lys Thr Lys Glu Gly Val  
           35                  40                  45  
 Val His Gly Val Ala Thr Val Ala Glu Lys Thr Lys Glu Gln Val Thr  
   50                  55                  60  
 Asn Val Gly Gly Ala Val Val Thr Gly Val Thr Ala Val Ala Gln Lys  
   65                  70                  75                  80

5

Thr Val Glu Gly Ala Gly Ser Ile Ala Ala Ala Thr Gly Phe Val Lys  
85 90 95

Lys Asp Gln Leu Gly Lys Asn Glu Glu Gly Ala Pro Gln Glu Gly Ile  
100 105 110

Leu Glu Asp Met Pro Val Asp Pro Asp Asn Glu Ala Tyr Glu Met Pro  
115 120 125

Ser Glu Glu Gly Tyr Gln Asp Tyr Glu Pro Glu Ala  
130 135 140

<210> 10

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic  
6xHis tag

<400> 10

His His His His His His  
1 5